ADVANTAGES OF WATER HYDRAULICS...

There are good arguments in favour of water hydraulics. Due to its physical properties water has a number of technical advantages. Where industrial hygiene, fire protection and product compatibility are concerned water hydraulics offers some unbeatable arguments. Water is widely available everywhere, inexpensive and thus more economical than comparable technologies.

More stringent environmental protection regulations have been adopted worldwide which considerably increase the costs for the operation of oil or emulsion-based hydraulic systems. All system components that have got into contact with oil or emulsions, and also hoses, seals, cleaning media and many more have to be disposed of today in a special way – disposal costs thus rise rapidly. In oil-hydraulic systems minute quantities of oil escaping are sufficient to contaminate large quantities of valuable groundwater.

ENVIRONMENTAL PROTECTION, SAFETY, AND THE PHYSICAL PROPERTIES OF THE PRESSURE MEDIUM WATER ARE BENEFITS CONNECTED WITH THE USE OF WATER HYDRAULICS.

FIELDS OF APPLICATION...

Water hydraulic components and systems are used in the most varied fields of application.

- Casting machines
- Construction machines
- Die casting machines
- Food industry
- High-pressure cleaning
- Hydroelectric power station technology
- Hydroforming
- IHU / AHU
- Metallurgical industry
- Mining
- Nuclear power plant technology
- Offshore and marine engineering
- Packaging machines
- Plastic injection moulding machines
- Plastic processing
- Power plant technology
- Press building
- Rubber industry
- Shipbuilding
- Special machinery engineering
- Steel construction for hydraulic engineering
- Steel industry
- Test and inspection technology
- Welding equipment
- Woodworking machines
For more than 60 years...

Tiebenbach Control Systems GmbH have provided sophisticated top-performing systems for the most challenging requirements in the Heavy Industry, Offshore and in Mining.

With rugged elaborate and convincing products in our offering we are a world market leader.

Today, the international group of companies focusses on the Water Hydraulics business segment with an innovative holistic approach to solutions.

This includes tailor-made systems and the respective components as well as an extensive service.

Our reliable, economical components and systems are used in the most varied fields.

Flexibility is one of the standards we apply in order to make full use of our competencies and know-how in meeting new challenges.

The intensive dialog with our customers is a guarantor for excellent solutions that meet all requirements.